

FIG.1

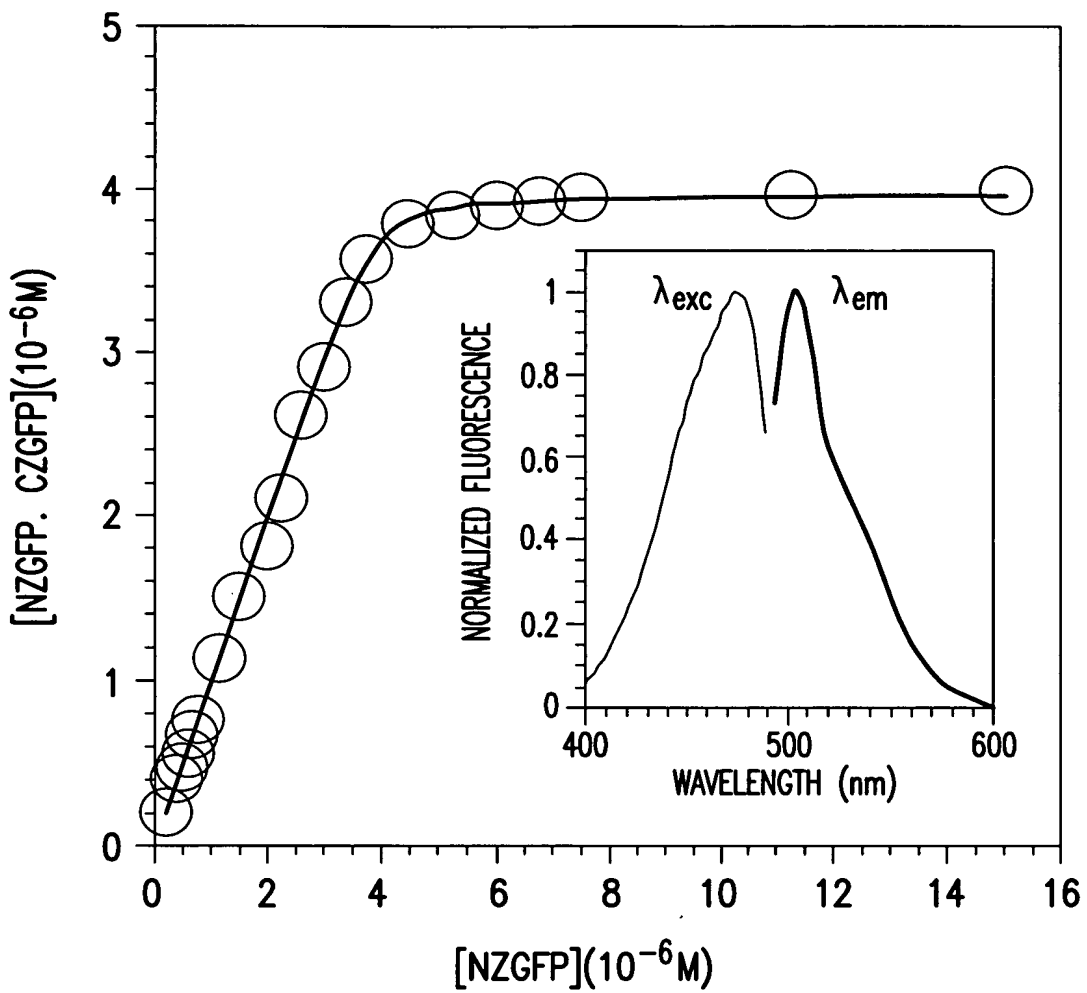


FIG.2

13281 U.S. PTO
061504



FIG.3a

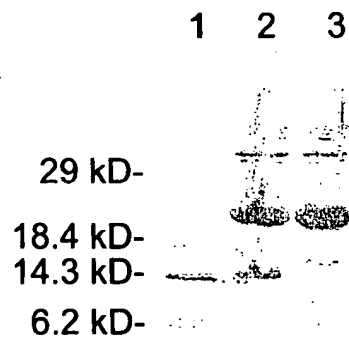


FIG.3b

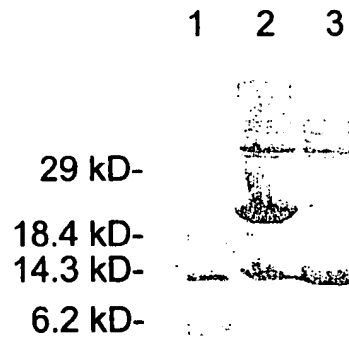


FIG.3c



405190
001504

13281 U.S. PTO

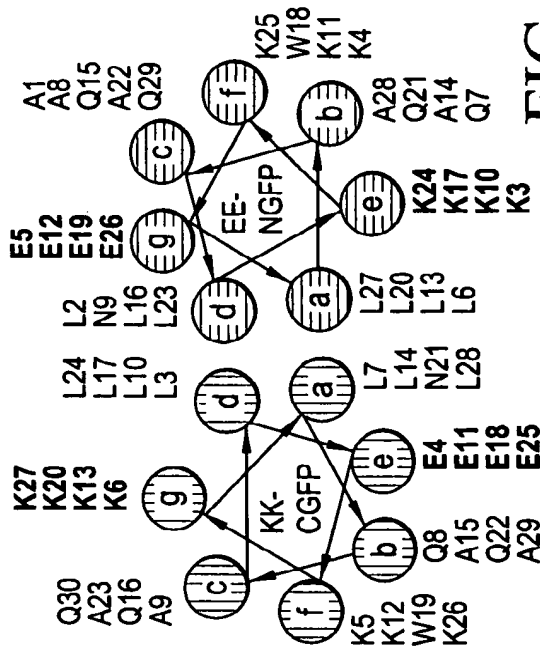


FIG. 4b

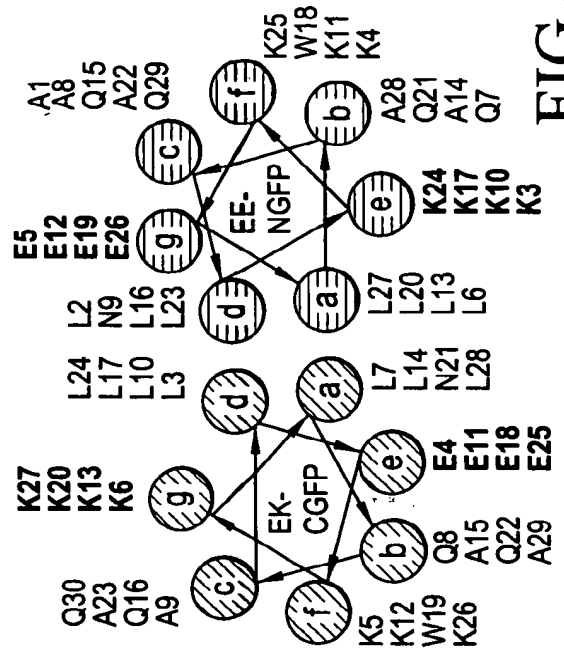


FIG. 4d

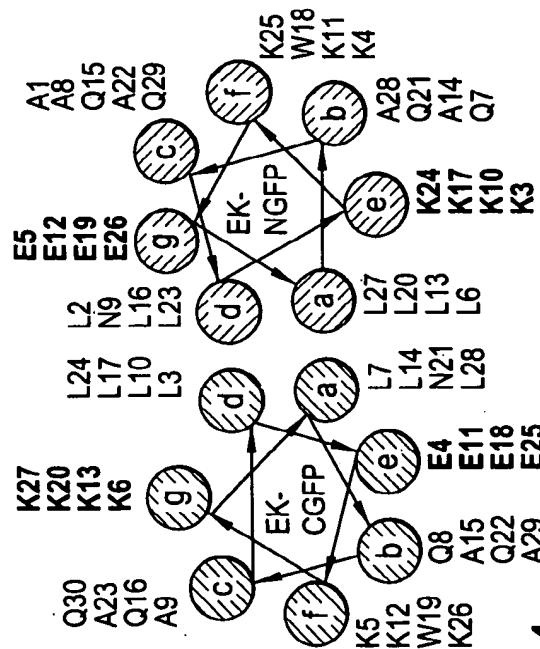
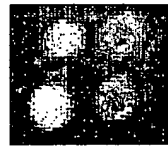


FIG. 4a

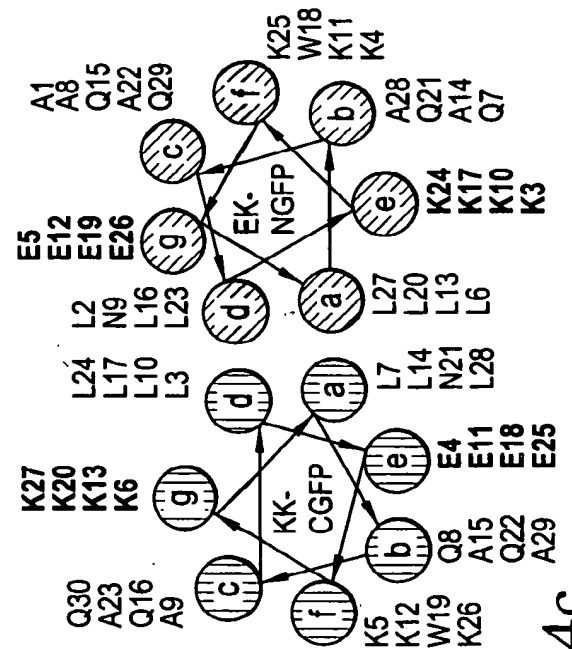


FIG. 4c

REPLACEMENT SHEET

5/5

13281 U.S. PTO
061504

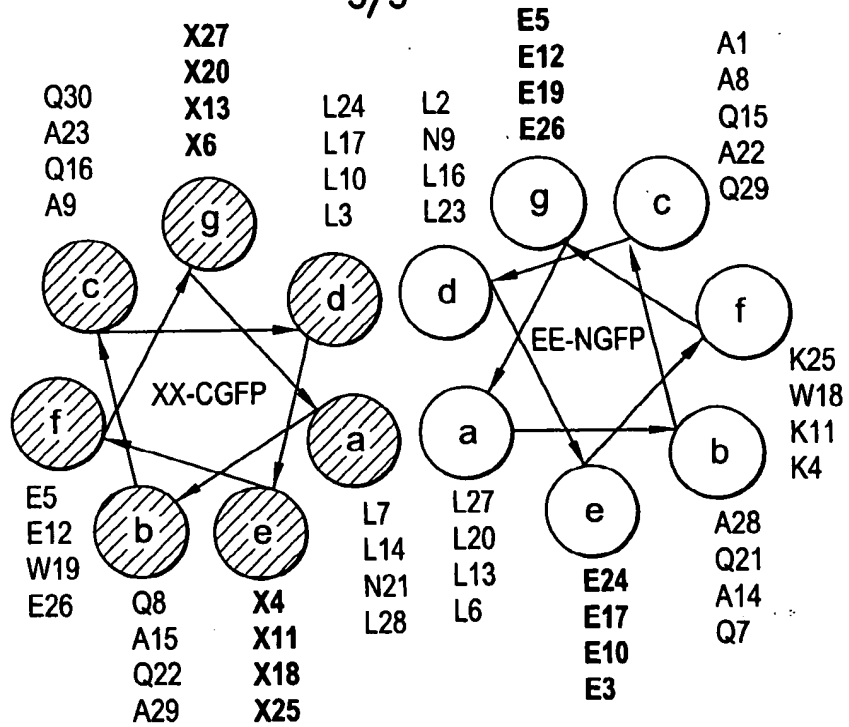


FIG.5a

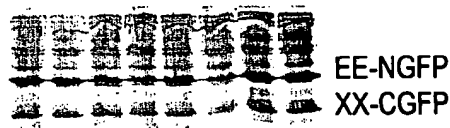


FIG.5b

Residue selected at randomized positions

4	6	11	13	18	20	25	27
K	K	E	K	K	K	K	K
K	K	K	K	E	K	K	K
K	K	K	K	E	K	K	K
K	K	K	K	E	K	K	K
E	K	K	K	K	K	K	K
E	K	K	K	K	E	K	K
K	E	K	K	K	K	E	K
K	E	K	K	K	K	E	K
K	K	E	K	K	K	E	K
K	K	E	K	K	K	E	K
K	K	E	K	K	K	E	K
K	K	E	K	K	K	E	K
K	K	E	K	K	K	E	K
E	K	E	K	K	E	K	K
E	K	E	K	K	E	K	K
K	K	E	K	E	K	K	E

FIG.5c

BEST AVAILABLE COPY